

Manas Juneja

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Skills

Language: Python, Java, C++, Go, JavaScript, SQL

Web & Frameworks: MERN Stack (MongoDB, Express, React, Node.js), RESTful APIs

ML/AI: PyTorch, Deep Learning, Clustering, Classification, Model Training & Deployment, Data Pipelines

Data & Analytics: NumPy, Pandas, Data Visualization, Statistical Analysis

Cloud & DevOps: AWS, GCP, Azure, Docker, Kubernetes, CI/CD

Tools: Git, Unix/Linux, Distributed Systems, System Design

Soft Skills: Technical mentorship, Cross-team collaboration, Research-driven development

Experience

VibeCode

Jul 2025 – Sep 2025

Machine Learning Developer

Remote (San Francisco, CA)

Built ML-powered React Native e-commerce app serving 10K+ users, implemented product recommendation system using collaborative filtering that increased conversion by 25%. Architected Firebase/Supabase backend and RESTful APIs, resolved database and state management issues, and implemented custom features with React hooks.

iMax Global Ventures

Jul 2024 – Sep 2024

Machine Learning Engineer Intern

New Delhi, India

Engineered a CNN-based fraud detection system using PyTorch to identify weigh-bridge anomalies at truck stops. Collaborated with operations teams to integrate the ML solution into existing workflows, deployed model using Docker on AWS EC2, reducing weight discrepancies by 60%.

University School of Automation & Robotics

Dec 2023 – Jan 2024

Data Analyst

New Delhi, India

Analyzed 300+ GB of sensor data using Python (Pandas, NumPy, Scikit-learn) for PhD researchers, identifying trends for predictive modeling and research publications, while mentoring 3 students in ML project development

Projects

Roadtrip Mood Music Generator

Built a web app that curates Spotify road trip playlists based on route weather and time using Google Maps and AccuWeather APIs, integrating Spotify OAuth for seamless login and mood-aware playlist creation

Smart Proximity Reminder App

Built a location-aware reminder iOS app using Bluetooth Low Energy (BLE) that triggers alerts when saved contacts enter proximity range, with efficient background scanning achieving under 5% battery drain

AI Team-Matching Platform

Built an AI-powered platform connecting hackathon participants with compatible teammates using profile embeddings and similarity metrics, deployed by 3 hackathon organizers and reducing manual matching time from 3–4 hours to under 10 minutes

Education

University School of Automation & Robotics

Expected July 2026

Bachelor of Engineering in Artificial Intelligence and Machine Learning

New Delhi, India

Relevant Coursework: Machine Learning, Computer Vision, Neural Networks, Data Structures & Algorithms, Web Development, Database Management Systems

Achievements & Leadership

Hackathon Winner: VIHAAN 6.0 | Code Wrangler | Byte Brawl Clash

Robotics & Science Competition: Odyssey of the Mind International (Russia) | Atal Tinkering Fest | Indian Science & Engineering Fair

Leadership: Lead, Machine Learning & AI Initiatives—Google Developer Student Club | Volunteer at Barket Cares Foundation (NGO) | Educator for underprivileged students